

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: August 28, 2003, 02:56:24 ; Search time 42 seconds  
(without alignments)  
236.739 Million cell updates/sec

Title: US-09-308-829-2

Perfect score: 1232  
Sequence: 1 MKKINIKYFIVTILISF.....KDNRIIMKNFSDIYLEK 235

Scoring table: BIOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database : Issued\_Patents\_AA:\*  
1: /cgn2\_6/ptodata/1/laa/5A.COMB.pep:\*  
2: /cgn2\_6/ptodata/1/laa/5B.COMB.pep:\*  
3: /cgn2\_6/ptodata/1/laa/6A.COMB.pep:\*  
4: /cgn2\_6/ptodata/1/laa/6B.COMB.pep:\*  
5: /cgn2\_6/ptodata/1/laa/PTCUS.COMB.pep:\*  
6: /cgn2\_6/ptodata/1/laa/backfillseq1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1100	89.3	208	3 US-08-896-933-30	Sequence 30, Appl
2	1100	89.3	208	4 US-09-314-235-30	Sequence 30, Appl
3	211	17.1	251	4 US-09-144-776B-16	Sequence 16, Appl
4	210	17.0	221	3 US-08-896-933-29	Sequence 29, Appl
5	210	17.0	221	4 US-09-314-235-29	Sequence 29, Appl
6	209.5	17.0	228	3 US-08-896-933-25	Sequence 25, Appl
7	209.5	17.0	228	4 US-09-314-235-25	Sequence 25, Appl
8	185.5	15.1	257	3 US-08-486-099-112	Sequence 112, App
9	185.5	15.1	257	3 US-08-360-107A-112	Sequence 112, App
10	185.5	15.1	257	3 US-08-484-223B-112	Sequence 112, App
11	185.5	15.1	257	3 US-08-919-597-112	Sequence 112, App
12	185.5	15.1	257	3 US-08-475-668A-112	Sequence 112, App
13	185.5	15.1	257	3 US-08-485-551A-112	Sequence 112, App
14	185.5	15.1	257	3 US-08-471-913A-112	Sequence 112, App
15	185.5	15.1	257	3 US-08-485-264A-112	Sequence 112, App
16	185.5	15.1	257	4 US-08-474-349A-112	Sequence 112, App
17	185.5	15.1	257	4 US-08-470-896-112	Sequence 112, App
18	185.5	15.1	257	4 US-08-485-546A-112	Sequence 112, App
19	183.5	14.9	233	4 US-08-695-692B-8	Sequence 8, Appl1
20	177.5	14.4	233	1 US-08-446-918A-4	Sequence 4, Appl1
21	177.5	14.4	233	4 US-08-580-806-4	Sequence 4, Appl1
22	177.5	14.4	257	3 US-08-695-692B-7	Sequence 7, Appl1
23	177.5	14.4	257	3 US-08-486-099-113	Sequence 113, App
24	177.5	14.4	257	3 US-08-360-107A-123	Sequence 123, App
25	177.5	14.4	257	3 US-08-484-223B-113	Sequence 113, App
26	177.5	14.4	257	3 US-08-919-597-113	Sequence 113, App
27	177.5	14.4	257	3 US-08-475-668A-113	Sequence 113, App

28	177.5	14.4	257	3 US-08-485-551A-113	Sequence 113, App
29	177.5	14.4	257	3 US-08-471-913A-113	Sequence 113, App
30	177.5	14.4	257	3 US-08-485-264A-113	Sequence 113, App
31	177.5	14.4	257	4 US-08-474-349A-113	Sequence 113, App
32	177.5	14.4	257	4 US-08-470-896-113	Sequence 113, App
33	177.5	14.4	257	4 US-08-485-546A-113	Sequence 113, App
34	176.5	14.3	226	4 US-08-896-933-24	Sequence 24, Appl
35	176.5	14.3	226	4 US-09-314-235-24	Sequence 24, Appl
36	175.5	14.2	266	4 US-09-144-776B-6	Sequence 6, Appl1
37	170.5	13.8	232	3 US-08-896-933-23	Sequence 23, Appl
38	170.5	13.8	232	4 US-09-314-235-23	Sequence 23, Appl
39	169.5	13.8	238	3 US-08-896-933-28	Sequence 28, Appl
40	169.5	13.8	238	4 US-09-314-235-28	Sequence 28, Appl
41	169.5	13.8	239	3 US-08-896-933-27	Sequence 27, Appl
42	169.5	13.8	239	4 US-09-314-235-27	Sequence 27, Appl
43	167.5	13.6	266	4 US-09-414-276-8	Sequence 8, Appl1
44	166.5	13.5	233	4 US-09-144-776B-4	Sequence 4, Appl1
45	166.5	13.5	239	3 US-08-896-933-26	Sequence 26, Appl

## ALIGNMENTS

```

RESULT 1
US-08-896-933-30
: Sequence 30, Application US/08896933
: Patent No. 6221351
: GENERAL INFORMATION:
: APPLICANT: Terman, David S.
: TITLE OF INVENTION: TUMOR KILLING EFFECTS OF ENTEROTOXINS,
: FILE REFERENCE: 09629/005002
: CURRENT APPLICATION NUMBER: US/08/896, 933
: CURRENT FILING DATE: 1997-07-18
: EARLIER APPLICATION NUMBER: 08/252, 978
: EARLIER FILING DATE: 1994-06-02
: NUMBER OF SEQ ID NOS: 34
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 30
: LENGTH: 208
: TYPE: PRT
: ORGANISM: Streptococcus pyogenes
US-08-896-933-30

Query Match      89.3%, Score 1100, DB 3, Length 208:
Best Local Similarity 100.0%; Pred. No. 6.6e-104;
Matches 208; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      28 DSKRDISNVKSDLYAYATITPYDKDCRVNSTHTLTNDQYRGKDYISSMSYEAS 87
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Db      1 DSKRDISNVKSDLYAYATITPYDKDCRVNSTHTLTNDQYRGKDYISSMSYEAS 60

Oy      88 QKFRDDHVDVFGLEFYILNSHTGXYIGGITPAONNKVNHKLGNLFSGSQONLNKI 147
         |||||||
Db      61 QKFRDDHVDVFGLEFYILNSHTGXYIGGITPAONNKVNHKLGNLFSGSQONLNKI 120

Oy      148 ILENDIYFQIDIRKIRYLYMDNKYIDATSPYSGRIETKKGKHEQIDLFSPNEGT 207
         |||||||
Db      121 ILENDIYFQIDIRKIRYLYMDNKYIDATSPYSGRIETKKGKHEQIDLFSPNEGT 180

Oy      208 RSDIFAKYKDNRIIMKNFHSFDIYLEK 235
         |||||||
Db      181 RSDIFAKYKDNRIIMKNFHSFDIYLEK 208

RESULT 2
US-09-314-235-30
: Sequence 30, Application US/09314235
: Patent No. 6338845
: GENERAL INFORMATION:
: APPLICANT: Terman, David S.
: TITLE OF INVENTION: TUMOR KILLING EFFECTS OF ENTEROTOXINS,
: FILE REFERENCE: 09629/005002
: CURRENT APPLICATION NUMBER: US/09/314, 235
: CURRENT FILING DATE: 1997-07-18
: EARLIER APPLICATION NUMBER: 08/252, 978
: EARLIER FILING DATE: 1994-06-02
: NUMBER OF SEQ ID NOS: 34
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 30
: LENGTH: 208
: TYPE: PRT
: ORGANISM: Streptococcus pyogenes
US-09-314-235-30

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QY      83  SYASQKFRDDHVDVFGI-FYIL-----NSHTGVIYGGTTPAQNKNVN-----KLLG 131
DQ      63  KNDENATLFRDKKWDVIGVEYHYHLIYLCENMARSACITGGVAT---MEGHNLETPKTIIV 119
DQ      132  NLPISGESQOONLNKRIIEKDIIVFOEIDFKIRKTIYMNKYIY-DATSPVYSGRIETGK 150
QY      120  KVSIDG--IQSLSFIEDIETKKKAVTAKQELDIYKRIKLTDNKKOLYNGSPSKYETGIKFTPK 177
DQ      191  DGRHEQIDLFDSBNEGSTRSDIPAKKDKRRIIMKKNFSPHDYIL 233
QY      178  NKSEFWFDLPEPR-EFTQSKYLMYIKNDEITLD-SITSQIEVYL 218

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RESULT 5
US-09-314-235-29
: Sequence 29, Application US/09314235
: Patent No. 6338845
: GENERAL INFORMATION:
: APPLICANT: Terman, David S.
: TITLE OF INVENTION: TUMOR KILLING EFFECTS OF ENTEROTOXINS,
: TITLE OF INVENTION: SUPERANTIGENS, AND RELATED COMPOUNDS
: FILE REFERENCE: 09629/005004
: CURRENT APPLICATION NUMBER: US/09/314,235
: EARLIER FILING DATE: 1999-05-18
: EARLIER APPLICATION NUMBER: 08/896,933
: EARLIER FILING DATE: 1997-07-18
: EARLIER APPLICATION NUMBER: 08/252,978
: EARLIER FILING DATE: 1994-06-02
: EARLIER APPLICATION NUMBER: 07/891,718
: EARLIER FILING DATE: 1992-06-01
: EARLIER APPLICATION NUMBER: US91/00342
: EARLIER FILING DATE: 1991-01-17
: EARLIER APPLICATION NUMBER: 07/466,577
: EARLIER FILING DATE: 1990-01-17
: EARLIER APPLICATION NUMBER: 07/416,530
: EARLIER FILING DATE: 1989-10-03
: NUMBER OF SEQ ID NOS: 34
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 29
: LENGTH: 221
: TYPE: prt
: ORGANISM: Streptococcus pyogenes
US-09-314-235-29

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RESULT 6
US-08-896-933-25
: Sequence 25, Application US/08896933
: Patent No. 6221351
: GENERAL INFORMATION:
: APPLICANT: Temman, David S.
: TITLE OF INVENTION: TUMOR KILLING EFFECTS OF ENTEROTOXINS

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: TITLE OF INVENTION: SUPERANTIGENS, AND RELATED COMPOUNDS
: FILE REFERENCE: 09629/005002
: CURRENT APPLICATION NUMBER: US/08/896,933
: CURRENT FILING DATE: 1997-07-18
: EARLIER APPLICATION NUMBER: 08/752,978
: EARLIER FILING DATE: 1994-06-02
: NUMBER OF SEQ ID NOS: 34
: SOFTWARE: FASTSEQ for Windows Version 3.0
: SEQ ID NO 25
: LENGTH: 228
: TYPE: PRT
: ORGANISM: Staphylococcus aureus
: US-08-896-933--25

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RESULT 7
US-09-314-235-25
: Sequence 25, Application US/09314235
: Patent No. 6338845
: GENERAL INFORMATION:
: APPLICANT: Terman, David S.
: TITLE OF INVENTION: TUMOR KILLING EFFECTS OF ENTEROTOXINS,
: TITLE OF INVENTION: SUPERANTIGENS, AND RELATED COMPOUNDS
: FILE REFERENCE: 09629/005004
: CURRENT APPLICATION NUMBER: US/09/314,235
: EARLIER FILING DATE: 1999-05-18
: EARLIER APPLICATION NUMBER: 08/896,933
: EARLIER FILING DATE: 1997-07-18
: EARLIER APPLICATION NUMBER: 08/252,978
: EARLIER FILING DATE: 1994-06-02
: EARLIER APPLICATION NUMBER: 07/891,718
: EARLIER FILING DATE: 1992-06-01
: EARLIER APPLICATION NUMBER: US91/00342
: EARLIER FILING DATE: 1991-01-17
: EARLIER APPLICATION NUMBER: 07/466,577
: EARLIER FILING DATE: 1990-01-17
: EARLIER APPLICATION NUMBER: 07/416,530
: EARLIER FILING DATE: 1989-10-03
: NUMBER OF SEQ ID NOS: 34
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 25
: LENGTH: 228
: TYPE: PRT
: ORGANISM: Staphylococcus aureus
US-09-314-235-25

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QY 95 HVDVEFLFYLNSHTGEY-----YIGGTPAONKNVNH--KLGLNLFISGESQONLNKRI 147  
DB 79 MNDVYPIRYSINCYGELIDRTRACTYGVPPHEGKNLKERKKIPINIMINGVQREYSLDKV 138  
QY 148 ILEKDIYVFOEIDFKIRKYLMDNRYKYDATS---PYVSGRIEIGTDCGHEQDILFDSRN 204  
DB 139 QIDDKRNVYQELDQAKRRLQDLKLYNNDTLGKTIQGRKIEFDSSDSKSVYDLFD--- 195  
QY 205 EGRSDIFAK---YKDNRIINKNFSEHDYIL 233  
DB 196 --VKGDPEKQLRIYSDNKTLSTEHL-HIDYIL 225

## RESULT 8

US-08-486-099-112  
Sequence 112, Application US/08486099  
Patent No. 6013263  
GENERAL INFORMATION:  
APPLICANT: Bolognesi, Dani P.  
APPLICANT: Matthews, Thomas J.  
APPLICANT: Wild, Carl T.  
APPLICANT: Barney, Shawn O.  
APPLICANT: Lambert, Dennis M.  
APPLICANT: Petteway, Stephen R.  
APPLICANT: Langlois, Alphonse J.  
TITLE OF INVENTION: COMPOSITIONS FOR INHIBITION OF  
TITLE OF INVENTION: MEMBRANE FUSION-ASSOCIATED EVENTS, INCLUDING HEPATITIS  
NUMBER OF SEQUENCES: 209  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/486,099  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Coruzzi, Laura A.  
REGISTRATION NUMBER: 30,742  
REFERENCE/DOCKET NUMBER: 7872-031  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-9741/8864  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 112:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 257 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: unknown  
MOLECULE TYPE: protein  
US-08-486-099-112

Query Match 15.1%; Score 185.5; DB 3; Length 257;  
Best Local Similarity 26.3%; Pred. No. 6.1e-11;  
Matches 74; Conservative 45; Mismatches 87; Indels 75; Gaps 15;

QY 1 MKKINIIVITIVILSTYFYHQSDDIS-----NKSUL--LYAV-- 44  
DB 1 MKKTAFFILLFT--ALITTSPLVNGSEKSEINEKLRKKSSELRNALSLRLRIYYNE 58  
QY 45 -TTPYDKDCRV-----NFSTTH---TLNID-----TQYRGKDYIISSEMSYE 85

DB 59 KAITENKESDDQFLENTLLFKGFTHGHPVYNDLLVLAGSKDATNKYKG----- 107  
QY 86 ASQKFRDHDVDFGFLYLNSTGT-----EYIGGTPAONKNVNH--KLGLNLFISGE 138  
DB 108 -----KVDLYGAVYIQACAGTPNKTAQWGGVTLHDNNRLTEERKVPINIMIDK 158  
QY 139 SOONLNKILIEKDIYVFOEIDFKIRKYLMDNRYKYDATSPYVSGRIEIG-----TKDCK 193  
DB 159 OTTVPIDKVKTSKEVTVQELDQAHYHLGKFLYNSDS--FGGRVQGLVIFHSSEGS 216  
QY 194 HQDILFDSPNCGTSDIFAK-YKDNRIINKNFSEHDYIL 233  
DB 217 TVSYDLFDA--OGQYPDTLRIYRDNKTIENSEL-HIDYIL 254

## RESULT 9

US-08-360-107A-122  
Sequence 122, Application US/08360107A  
Patent No. 6017536  
GENERAL INFORMATION:  
APPLICANT: Bolognesi, Dani P.  
APPLICANT: Matthews, Thomas J.  
APPLICANT: Wild, Carl T.  
APPLICANT: Barney, Shawn O.  
APPLICANT: Lambert, Dennis M.  
APPLICANT: Petteway, Stephen R.  
APPLICANT: Langlois, Alphonse J.  
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR INHIBITION  
TITLE OF INVENTION: OF MEMBRANE FUSION-ASSOCIATED EVENTS, INCLUDING HIV  
NUMBER OF SEQUENCES: 149  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/360,107A  
FILING DATE: 20-DEC-1994  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Coruzzi, Laura A.  
REGISTRATION NUMBER: 30,742  
REFERENCE/DOCKET NUMBER: 7872-013  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-9741/8864  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 122:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 257 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: unknown  
MOLECULE TYPE: protein  
US-08-360-107A-122

Query Match 15.1%; Score 185.5; DB 3; Length 257;  
Best Local Similarity 26.3%; Pred. No. 6.1e-11;  
Matches 74; Conservative 45; Mismatches 87; Indels 75; Gaps 15;

QY 1 MKKINIIVITIVILSTYFYHQSDDIS-----NKSUL--LYAV-- 44  
DB 1 MKKTAFFILLFT--ALITTSPLVNGSEKSEINEKLRKKSSELRNALSLRLRIYYNE 58  
QY 45 -TTPYDKDCRV-----NFSTTH---TLNID-----TQYRGKDYIISSEMSYE 85

Db 59 KATENKESDQFLENTLLFKGFTGHPWYNDLLVDGSKDATNKKYK-----107  
Qy 86 ASQKFRDHDVYDGLFTILNSHTG-----EYIGGITPAONNNVNH--KLLGNLFISGE 138  
Db 108 -----KVDLGAYGYOCAGGTGPNKACMTGGVTLHDNNRLTEERKVPINLMDGK 158  
Qy 139 SQONLNKRIILEKIDVFOEIDFKIRKYLMDNRYKIDATSPYSGRIEIG-----TKDGK 193  
Db 159 QTVPIDKVKTSKEEYVQELDLQARHYLHGKFGILYNSDS--FGSKVGRGLIVFHSRGS 216  
Qy 194 HEQIDLEPDSNEGTRSDIFAK-YKDNRIINKNKFSHPDIYL 233  
Db 217 TVSYDLFPA--QGQYPTLLRIYRDNKNTINSENL-HIDLVL 254

## RESULT 10

US-08-484-223B-112  
Sequence 112, Application US/08484223B  
Patent No. 6020459  
GENERAL INFORMATION:  
APPLICANT: Bolognesi, Dani P.  
APPLICANT: Matthews, Thomas J.  
APPLICANT: Wild, Carl T.  
APPLICANT: Barney, Shawn O.  
APPLICANT: Lambert, Dennis M.  
APPLICANT: Petteway, Stephen R.  
APPLICANT: Langlois, Alphonse J.  
TITLE OF INVENTION: COMPOSITIONS FOR INHIBITION OF  
TITLE OF INVENTION: MEMBRANE FUSION-ASSOCIATED EVENTS, INCLUDING HIV  
TITLE OF INVENTION: TRANSMISSION  
NUMBER OF SEQUENCES: 245  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds LLP  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/484,223B  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Coruzzi, Laura A.  
REGISTRATION NUMBER: 30,742  
REFERENCE/DOCKET NUMBER: 7872-029  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-9741/8864  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 112:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 257 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: unknown  
MOLECULE TYPE: protein  
US-08-484-223B-112

Query Match 15.1%; Score 185.5; DB 3; Length 257;  
Best Local Similarity 26.3%; Pred. No. 6.1e-11;  
Matches 74; Conservative 45; Mismatches 87; Indels 75; Gaps 15;

Qy 1 MKNINIKIVITIVILISTFTYHQSDDSKDIS-----NKSQDL--LYAV-- 44  
Db 1 MKKTAFTILLFT--ALTITSPLVNGSEKSEINEKDLRKSELOARNLSMLROIYYNE 58

Qy 45 -TTPYDYKDCRV-----NFSTTH---TLNID-----TQYRGRDYYISSEMSYE 85  
Db 59 KATENKESDQFLENTLLFKGFTGHPWYNDLLVDGSKDATNKKYK-----107  
Qy 86 ASQKFRDHDVYDGLFTILNSHTG-----EYIGGITPAONNNVNH--KLLGNLFISGE 138  
Db 108 -----KVDLGAYGYOCAGGTGPNKACMTGGVTLHDNNRLTEERKVPINLMDGK 158  
Qy 139 SQONLNKRIILEKIDVFOEIDFKIRKYLMDNRYKIDATSPYSGRIEIG-----TKDGK 193  
Db 159 QTVPIDKVKTSKEEYVQELDLQARHYLHGKFGILYNSDS--FGSKVGRGLIVFHSRGS 216  
Qy 194 HEQIDLEPDSNEGTRSDIFAK-YKDNRIINKNKFSHPDIYL 233  
Db 217 TVSYDLFPA--QGQYPTLLRIYRDNKNTINSENL-HIDLVL 254

## RESULT 11

US-08-919-597-112  
Sequence 112, Application US/08919597  
Patent No. 6054265  
GENERAL INFORMATION:  
APPLICANT: Bolognesi, Dani P.  
APPLICANT: Matthews, Thomas J.  
APPLICANT: Wild, Carl T.  
APPLICANT: Barney, Shawn O.  
APPLICANT: Lambert, Dennis M.  
APPLICANT: Petteway, Stephen R.  
APPLICANT: Langlois, Alphonse J.  
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR INHIBITION  
TITLE OF INVENTION: OF MEMBRANE FUSION-ASSOCIATED EVENTS, INCLUDING HIV  
TITLE OF INVENTION: TRANSMISSION  
NUMBER OF SEQUENCES: 273  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/919,597  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/470,896  
FILING DATE: 06-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Coruzzi, Laura A.  
REGISTRATION NUMBER: 30,742  
REFERENCE/DOCKET NUMBER: 7872-020  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-9741/8864  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 112:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 257 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: unknown  
MOLECULE TYPE: protein  
US-08-919-597-112

Query Match 15.1%; Score 185.5; DB 3; Length 257;  
Best Local Similarity 26.3%; Pred. No. 6.1e-11;  
Matches 74; Conservative 45; Mismatches 87; Indels 75; Gaps 15;

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QY 1 MKKINIKIVITITVILISTYFYTHQSDSKDIS-----NKSDDL-LVAV-- 44
  ||| 1 : : : : : : : : : : : : : : : : : : : : : : : :
  1 MKKTAFILLFLI--ALTITSPLVNGSEKSEIENDKLRKKSJELQJRNALSNLRQIYYNE 58
QY 45 -TITPYDKCHV-----NESTH-----TLNID-----TQYRGKDYIISMSYE 85
  ||| 1 : : : : : : : : : : : : : : : : : : : : : : : :
  59 KAITENKESDDOFLENTLLFKGFETGHPYNDLVDLGSKDATNKYKKG----- 107
Db 86 ASQKFRDDHVDVFGFLYILNSHTG-----EYIGGIPPAONKNVNH--KLGNLFISGE 138
  ||| 1 : : : : : : : : : : : : : : : : : : : : : : : :
  108 -----KVDLYGAYYGQCAGGTPNKTACMYGVTILHDNNRLTEEEKYVINLMIDOK 158
QY 139 SQONLNKTIIEKDIYTFQEIOPKIRKYMNDYKITYDATSPYSGRIETG-----TKDGK 193
  ||| 1 : : : : : : : : : : : : : : : : : : : : : : : :
  159 QTTVPIDKVKTSKKEVTVQELDLQARHYLHGKFGLYNSDS--FGKVGQGLIVFHSSEGS 216
QY 194 HQOIDLFPDNEGTRSDIFAK-YKDNRIIMKNFSHFDIYL 233
  ||| 1 : : : : : : : : : : : : : : : : : : : : : : : :
  217 TVSYDLFDA--OGQYPTILRLIRYRDKNTINSENH-HIDLYL 254
Db

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## RESULT 12

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US-08-475-668A-112
; Sequence 112, Application US/08475668A
; Patent No. 6060065
; GENERAL INFORMATION:
; APPLICANT: Barney, Shawn O.
; APPLICANT: Lambert, Dennis M.
; APPLICANT: Petteway, Stephen R.
; TITLE OF INVENTION: COMPOSITIONS FOR INHIBITION OF MEMBRANE
; TITLE OF INVENTION: FUSION-ASSOCIATED EVENTS, INCLUDING INFLUENZA VIRUS
; TITLE OF INVENTION: TRANSMISSION
; NUMBER OF SEQUENCES: 211
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/475,668A
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7872-026
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 112:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 257 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-08-475-668A-112

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Query Match 15.1%; Score 185.5; DB 3; Length 257;
Best Local Similarity 26.3%; Pred. No. 6.1e-11;
Matches 74; Conservative 45; Mismatches 87; Indels 75; Gaps 15;
QY 1 MKKINIKIVITITVILISTYFYTHQSDSKDIS-----NKSDDL-LVAV-- 44
  ||| 1 : : : : : : : : : : : : : : : : : : : : : : : :
  1 MKKTAFILLFLI--ALTITSPLVNGSEKSEIENDKLRKKSJELQJRNALSNLRQIYYNE 58
Db

```

```

QY 45 -TITPYDKCHV-----NESTH-----TLNID-----TQYRGKDYIISMSYE 85
  ||| 1 : : : : : : : : : : : : : : : : : : : : : : : :
  59 KAITENKESDDOFLENTLLFKGFETGHPYNDLVDLGSKDATNKYKKG----- 107
Db 86 ASQKFRDDHVDVFGFLYILNSHTG-----EYIGGIPPAONKNVNH--KLGNLFISGE 138
  ||| 1 : : : : : : : : : : : : : : : : : : : : : : : :
  108 -----KVDLYGAYYGQCAGGTPNKTACMYGVTILHDNNRLTEEEKYVINLMIDOK 158
QY 139 SQONLNKTIIEKDIYTFQEIOPKIRKYMNDYKITYDATSPYSGRIETG-----TKDGK 193
  ||| 1 : : : : : : : : : : : : : : : : : : : : : : : :
  159 QTTVPIDKVKTSKKEVTVQELDLQARHYLHGKFGLYNSDS--FGKVGQGLIVFHSSEGS 216
QY 194 HQOIDLFPDNEGTRSDIFAK-YKDNRIIMKNFSHFDIYL 233
  ||| 1 : : : : : : : : : : : : : : : : : : : : : : : :
  217 TVSYDLFDA--OGQYPTILRLIRYRDKNTINSENH-HIDLYL 254
Db

```

## RESULT 13

```

US-08-485-551A-112
; Sequence 112, Application US/08485551A
; Patent No. 6068973
; GENERAL INFORMATION:
; APPLICANT: Bolognesi, Daniel P.
; APPLICANT: Matthews, Thomas J.
; APPLICANT: Wild, Carl T.
; APPLICANT: Barney, Shawn O.
; APPLICANT: Lambert, Dennis M.
; APPLICANT: Petteway, Stephen R.
; APPLICANT: Langlois, Alphonse J.
; TITLE OF INVENTION: METHODS FOR INHIBITION OF MEMBRANE
; TITLE OF INVENTION: FUSION-ASSOCIATED EVENTS, INCLUDING INFLUENZA VIRUS
; NUMBER OF SEQUENCES: 211
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/485,551A
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7872-023
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 112:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 257 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-08-485-551A-112

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Query Match 15.1%; Score 185.5; DB 3; Length 257;
Best Local Similarity 26.3%; Pred. No. 6.1e-11;
Matches 74; Conservative 45; Mismatches 87; Indels 75; Gaps 15;
QY 1 MKKINIKIVITITVILISTYFYTHQSDSKDIS-----NKSDDL-LVAV-- 44
  ||| 1 : : : : : : : : : : : : : : : : : : : : : : : :
  1 MKKTAFILLFLI--ALTITSPLVNGSEKSEIENDKLRKKSJELQJRNALSNLRQIYYNE 58
Db

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Db 1 MKRTAFILLFI--ALTLTSPLVNGSEKSEINEKDLRKKSSELORNALSLRQIYYNE 58  
OY 45 -TTPYDKCRV-----NESTH---TLNID-----TQYRGKDYISEMSYE 85  
Db 59 KAITENKESDQFLENTLLKRGFTGHPWYNDLVGSKDANKYKRGK----- 107  
OY 86 ASOKFKRDHVDVGLFYLINSHTG-----EYIGGITPAONNVN--KLLGNLFTSGE 138  
Db 108 -----KYDLGAYGYOCAGGTPTNKTCAMTGGVTLHDNNRLTEKKVPILMWIDGK 158  
OY 139 SQONLNKKILLEKDIYTFQEIDEFKIRKYLMDNRYIYATSPYSGRIEIG-----TKDGK 193  
Db 159 QTTVPIDKVKTSKKEVYVQELDLQARHHLHGKFGLYNSDS--FGGKVGRLIVFHSSEGS 216  
OY 194 HEQIDLEDSNEGTRSDIFAK-YKDNRIINKNKFSHPDIYL 233  
Db 217 TVSYDLFDA--QGQYPTLLRIYRDNKNTINSEN--HIDLVL 254

## RESULT 14

US-08-471-913A-112  
; Sequence 112, Application US/08471913A  
; Patent No. 6093794  
; GENERAL INFORMATION:  
; APPLICANT: Bolognesi, Dani P.  
; APPLICANT: Matthews, Thomas J.  
; APPLICANT: Wild, Carl T.  
; APPLICANT: Barney, Shawn O.  
; APPLICANT: Lambert, Dennis M.  
; APPLICANT: Pellew, Stephen R.  
; APPLICANT: Langlois, Alphonse J.  
; TITLE OF INVENTION: COMPOSITIONS FOR INHIBITION OF MEMBRANE  
; TITLE OF INVENTION: FUSION-ASSOCIATED EVENTS, INCLUDING EPSTEIN-BARR VIRUS  
; NUMBER OF SEQUENCES: 214  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennie & Edmonds LLP  
; STREET: 1155 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10036-2711  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/471,913A  
; FILING DATE: 07-JUN-1995  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Coruzzi, Laura A.  
; REGISTRATION NUMBER: 30,742  
; REFERENCE/DOCKET NUMBER: 7872-030  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 790-9090  
; TELEFAX: (212) 869-9741/8864  
; TELEEX: 66141 PENNIE  
; INFORMATION FOR SEQ ID NO: 112:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 257 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: unknown  
; MOLECULE TYPE: protein  
US-08-471-913A-112

Query Match 15.1%; Score 185.5; DB 3; Length 257;  
Best Local Similarity 26.3%; Pred. No. 6.1e-11;  
Matches 74; Conservative 45; Mismatches 87; Indels 75; Gaps 15;  
OY 1 MKINIKIVITVILISTYFTYHQSCKDIS-----NVKSDL--LYAV-- 44

Db 1 MKRTAFILLFI--ALTLTSPLVNGSEKSEINEKDLRKKSSELORNALSLRQIYYNE 58  
OY 45 -TTPYDKCRV-----NESTH---TLNID-----TQYRGKDYISEMSYE 85  
Db 59 KAITENKESDQFLENTLLKRGFTGHPWYNDLVGSKDANKYKRGK----- 107  
OY 86 ASOKFKRDHVDVGLFYLINSHTG-----EYIGGITPAONNVN--KLLGNLFTSGE 138  
Db 108 -----KYDLGAYGYOCAGGTPTNKTCAMTGGVTLHDNNRLTEKKVPILMWIDGK 158  
OY 139 SQONLNKKILLEKDIYTFQEIDEFKIRKYLMDNRYIYATSPYSGRIEIG-----TKDGK 193  
Db 159 QTTVPIDKVKTSKKEVYVQELDLQARHHLHGKFGLYNSDS--FGGKVGRLIVFHSSEGS 216  
OY 194 HEQIDLEDSNEGTRSDIFAK-YKDNRIINKNKFSHPDIYL 233  
Db 217 TVSYDLFDA--QGQYPTLLRIYRDNKNTINSEN--HIDLVL 254

## RESULT 15

US-08-485-264A-112  
; Sequence 112, Application US/08485264A  
; Patent No. 6228983  
; GENERAL INFORMATION:  
; APPLICANT: Bolognesi, Dani P.  
; APPLICANT: Matthews, Thomas J.  
; APPLICANT: Wild, Carl T.  
; APPLICANT: Barney, Shawn O.  
; APPLICANT: Lambert, Dennis M.  
; APPLICANT: Pellew, Stephen R.  
; APPLICANT: Langlois, Alphonse J.  
; TITLE OF INVENTION: COMPOSITIONS FOR INHIBITION OF  
; TITLE OF INVENTION: MEMBRANE FUSION-ASSOCIATED EVENTS, INCLUDING  
; TITLE OF INVENTION: RESPIRATORY SYNCYTIAL VIRUS TRANSMISSION  
; NUMBER OF SEQUENCES: 232  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennie & Edmonds LLP  
; STREET: 1155 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10036-2711  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/485,264A  
; FILING DATE: 07-JUN-1995  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Coruzzi, Laura A.  
; REGISTRATION NUMBER: 30,742  
; REFERENCE/DOCKET NUMBER: 7872-021  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 790-9090  
; TELEFAX: (212) 869-9741/8864  
; TELEEX: 66141 PENNIE  
; INFORMATION FOR SEQ ID NO: 112:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 257 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: unknown  
; MOLECULE TYPE: protein  
US-08-485-264A-112

Query Match 15.1%; Score 185.5; DB 3; Length 257;  
Best Local Similarity 26.3%; Pred. No. 6.1e-11;  
Matches 74; Conservative 45; Mismatches 87; Indels 75; Gaps 15;

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OY      1 MKKIIKIVFIIIVILLISTYFTYHQSDKRIIS-----NKVSDL--LYAV-- 44
Db      1 MKKTFILLLF--ALTLTSPYLVNGSEKSEENEDLKKKSELOANALSNLKOIYYNE 58
OY      45 -TTPDYKDCRV-----NFSTTH---TLNID-----TQYRGKDYYISSEMSYE 85
Db      59 KAITENKESDDQFLENTLLFKGFPGHPVNDLLVDLGSKDAPNKKYKK----- 107
OY      86 ASQKFKRDHNVDFEGFLYLSNHTG-----EYVGGITPAONKNVNH--KLGNLFSGE 138
Db      108 -----KVDLYAAYGYOCAGSTPNKTACMGVTLHDNNRLLEEKVKPILNIDGK 158
OY      139 SQQNLNKKIILEKDIIVFOEIDFKLRKYLMDNYKKIYDATSPYVSGRIETG----TRDK 193
Db      159 QTTVPIDKVKTSKKEVTVQELDLQNRHYLHGKFGELVNSDS--FGKVGQRLIVFHSSEGS 216
OY      194 HQEIDLFPSPNEGTRSDIFAK--YKARNRIIMKMFSEHDIYL 233
Db      217 TVSYDLFDA--QGQYTPDLLRLKRIYRDKNTINSENL-HIDIYL 254

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Search completed: August 28, 2003, 03:01:41  
Job time : 42 secs